



## Automatic Centrifuge for metal working, heating and surface treatment industries Type TA VO

### AUTOMATIC CENTRIFUGE SUITABLE FOR :

- Spinning and drying components after surface treatment
- De-oiling of parts after oil tempering, tooling or stamping
- Short swarf/chip de-oiling (steel, brass and cast iron)
- Special applications (food, plastic industries)

- 1 Centrifuge with control panel and feeding chute
- 2 Centrifuge with feeding chute, plynth and bucket loading device
- 3 Centrifuge with feeding chute, plynth and a trolley loading device

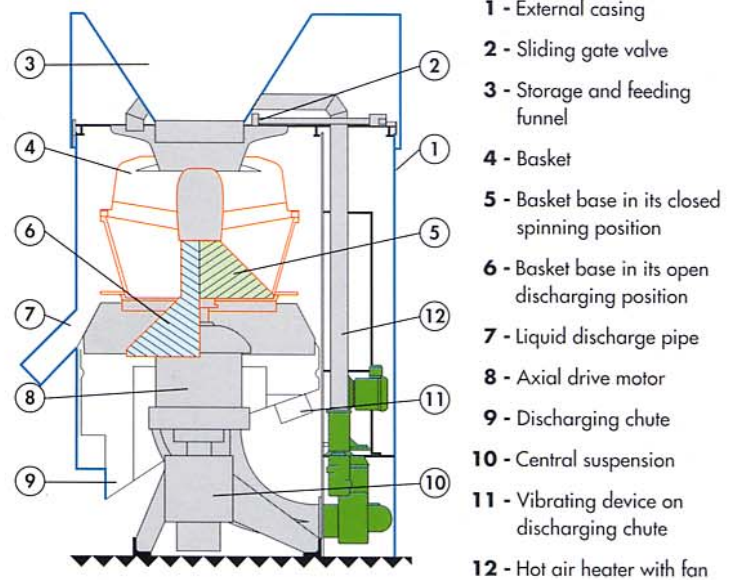




## TECHNICAL CHARACTERISTICS

- Vertical axis centrifuge with a central axial suspension
- Centrifuge basket driven in rotation by an axial drive motor to allow direct starting and braking
- Bottom discharge basket, pneumatically controlled
- Centrifuge loading funnel with a sliding gate valve pneumatically controlled
- Side discharge chute with electric vibrator
- External frame with two inspection doors
- Local control panel. Pneumatic control board integrated with the centrifuge
- Automatic cycle
- Safeties according to European standards

## SCHEMATIC : TA-VO



TYPE	Vitesse (rpm)	Ø basket (mm)	Useful volume (l)	Admissible load (kg)	Hourly Throughput/Batches/hr	Motor power (kW)	Weight (kg)	Heating power (kW)	Dimensions (mm)		
									Length	Width	Height
TA 50 VO	750	500	65	100/150	8/10	2,3	850	4	1235	820	1500
TA 60 VO	750	600	105	150/200	8/10	2,3	930	6	1350	920	1510

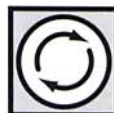
## AUTOMATIC CYCLE SEQUENCE

- **FEEDING** : The charge is introduced and distributed evenly into the basket by rotating the basket at low speed after opening the slide valve. The valve is then closed.
- **CENTRIFUGING** : Basket speed is increased to the maximum rpm. Spinning time is set by a timer
- **DRYING (centrifuge type TA VOC2)** During centrifuging hot air can be introduced into the basket to dry the load
- **UNLOADING** : At the end of centrifuging, the basket is stopped by counter current braking. When the basket is stationary, the bottom part of the basket is opened which allows the load to discharge via the discharging chute. Vibrating device allows a complete discharge of the basket and chute.

## OPTIONS/COMPLEMENTARY EQUIPMENT

- Variable speed frequency inverter
- Pneumatically controlled nozzle to clean basket filtration area
- Stainless steel construction (AISI 304 or AISI 316 L or Ti)
- Basket manufactured from high grade manganese to achieve a very good resistance against abrasion created by the load especially by parts after oil tempering
- Loading device with a bucket or with a fork to receive a trolley on wheels. Loading device specially designed for recycling the load
- Feeding chute with or without a vibrating device
- PLC to control centrifuge cycle
- Heating device with increased power and temperature control

# ROUSSELET



# centrifugation

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